

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/564,429A
Source: IFWP
Date Processed by STIC: 6/21/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/21/2006

PATENT APPLICATION: US/10/564,429A

TIME: 11:01:37

Input Set : E:\SONN084US.ST25.txt

Output Set: N:\CRF4\06212006\J564429A.raw

3 <110> APPLICANT: Buschle, Michael
 4 Frisch, Jorgen
 5 Klade, Christoph
 6 Lingnau, Karen
 7 Zauner, Wolfgang
 8 Zettlmeissl, Gerd
 10 <120> TITLE OF INVENTION: HCV vaccines
 12 <130> FILE REFERENCE: SONN:084US
 14 <140> CURRENT APPLICATION NUMBER: 10/564,429A
 15 <141> CURRENT FILING DATE: 2006-01-11
 17 <150> PRIOR APPLICATION NUMBER: EP 03450171.8
 18 <151> PRIOR FILING DATE: 2004-03-12
 20 <150> PRIOR APPLICATION NUMBER: EP 04450062.7
 21 <151> PRIOR FILING DATE: 2004-07-11
 23 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/007540
 24 <151> PRIOR FILING DATE: 2004-07-09
 26 <160> NUMBER OF SEQ ID NOS: 156
 28 <170> SOFTWARE: PatentIn version 3.3
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 15
 32 <212> TYPE: PRT
 33 <213> ORGANISM: HCV vaccines
 35 <400> SEQUENCE: 1
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 38 1 5 10 15
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 17
 43 <212> TYPE: PRT
 44 <213> ORGANISM: HCV vaccines
 46 <400> SEQUENCE: 2
 48 Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala
 49 1 5 10 15
 52 Thr
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 15
 58 <212> TYPE: PRT
 59 <213> ORGANISM: HCV vaccines
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 64 1 5 10 15
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 16
 69 <212> TYPE: PRT

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70 <213> ORGANISM: HCV vaccines
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79 <211> LENGTH: 15
80 <212> TYPE: PRT
81 <213> ORGANISM: HCV vaccines
83 <400> SEQUENCE: 5
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86 1          5          10          15
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 15
91 <212> TYPE: PRT
92 <213> ORGANISM: HCV vaccines
94 <400> SEQUENCE: 6
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97 1          5          10          15
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101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: HCV vaccines
105 <400> SEQUENCE: 7
107 Ala Arg Leu Ile Val Phe Pro Asp Leu
108 1          5
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 20
113 <212> TYPE: PRT
114 <213> ORGANISM: HCV vaccines
116 <400> SEQUENCE: 8
118 Ala Arg Leu Ile Val Phe Pro Asp Leu Gly Val Arg Val Cys Glu Lys
119 1          5          10          15
122 Met Ala Leu Tyr
123          20
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 10
128 <212> TYPE: PRT
129 <213> ORGANISM: HCV vaccines
131 <400> SEQUENCE: 9
133 Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu
134 1          5          10
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138 <211> LENGTH: 13
139 <212> TYPE: PRT
140 <213> ORGANISM: HCV vaccines
142 <400> SEQUENCE: 10
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159 <210> SEQ ID NO: 12
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161 <212> TYPE: PRT
162 <213> ORGANISM: HCV vaccines
164 <400> SEQUENCE: 12
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167 1 5 10 15
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 18
172 <212> TYPE: PRT
173 <213> ORGANISM: HCV vaccines
175 <400> SEQUENCE: 13
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178 1 5 10 15
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186 <211> LENGTH: 19
187 <212> TYPE: PRT
188 <213> ORGANISM: HCV vaccines
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192 Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val
193 1 5 10 15
196 Ala Ala Thr
200 <210> SEQ ID NO: 15
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212 <211> LENGTH: 10
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219 1 5 10
222 <210> SEQ ID NO: 17
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224 <212> TYPE: PRT
225 <213> ORGANISM: HCV vaccines
227 <400> SEQUENCE: 17
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235 <212> TYPE: PRT
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245 <211> LENGTH: 9
246 <212> TYPE: PRT
247 <213> ORGANISM: HCV vaccines
249 <400> SEQUENCE: 19
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252 1          5
255 <210> SEQ ID NO: 20
256 <211> LENGTH: 9
257 <212> TYPE: PRT
258 <213> ORGANISM: HCV vaccines
260 <400> SEQUENCE: 20
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263 1          5
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268 <212> TYPE: PRT
269 <213> ORGANISM: HCV vaccines
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274 1          5          10
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279 <212> TYPE: PRT
280 <213> ORGANISM: HCV vaccines
282 <400> SEQUENCE: 22
284 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly
285 1          5          10
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 12
290 <212> TYPE: PRT
291 <213> ORGANISM: HCV vaccines
293 <400> SEQUENCE: 23
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296 1          5          10
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301 <212> TYPE: PRT
302 <213> ORGANISM: HCV vaccines
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Input Set : E:\SONN084US.ST25.txt

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322 <211> LENGTH: 13
323 <212> TYPE: PRT
324 <213> ORGANISM: HCV vaccines
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328 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
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334 <212> TYPE: PRT
335 <213> ORGANISM: HCV vaccines
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344 <211> LENGTH: 9
345 <212> TYPE: PRT
346 <213> ORGANISM: HCV vaccines
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350 Asp Leu Met Gly Tyr Ile Pro Ala Val
351 1          5
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357 <213> ORGANISM: HCV vaccines
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367 <212> TYPE: PRT
368 <213> ORGANISM: HCV vaccines
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373 1          5          10
376 <210> SEQ ID NO: 31
377 <211> LENGTH: 13
378 <212> TYPE: PRT
379 <213> ORGANISM: HCV vaccines
381 <400> SEQUENCE: 31
383 Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/21/2006
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Input Set : E:\SONN084US.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:152; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:153; Xaa Pos. 1,2,3,4,5,6,7,8,9,10
Seq#:154; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11
Seq#:155; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12
Seq#:156; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:152,153,154,155,156

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Input Set : E:\SONN084US.ST25.txt

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L:1929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0
L:1979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:0
L:2029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:0
L:2079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0
L:2129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:0